Author Index

Adegbehin, J.O. (Port Harcourt, Nigeria), Okojie, J.A. and Nokoe, S. (Ibadan, Nigeria)
Growth of *Eucalyptus terteticornis* and *Pinus caribaea* at different sites in northern Nigeria 261
Alemdag, I.S. (Chalk River, Ont., Canada)
Site index equations for white spruce in the Northwest Territories, Canada 61
Andariese, S.W. (Flagstaff, AZ, U.S.A) and Vitousek, P.M. (Stanford, CA, U.S.A.)
Soil nitrogen turnover is altered by herbicide treatment in a North Carolina Piedmont forest soil 19
Andersson, F. (Uppsala, Sweden)
Book review of *Acidification and its Policy Implications*, by T. Schneider (Editor) 77
Bailey, R.L., *see* Okojie, J.A. et al.
Bernhard–Reversat, F. (Pointe-Noire, Congo)
Soil nitrogen mineralization under a *Eucalyptus* plantation and a natural *Acacia* forest in Senegal 233
Booth, T.H., Nix, H.A., Hutchinson, M.F. and Jovanovic, T. (Canberra, A.C.T., Australia)
Niche analysis and tree species introduction 47
Borders, B.E., *see* Okojie, J.A. et al.
Boyd, R.G. (Madison, WI, U.S.A.), Daniels, B.J. (Durham, NC, U.S.A.), Fallon, R. (Madison, WI, U.S.A.) and Hyde, W.F. (Durham, NC, U.S.A.)
Measuring the effectiveness of public forestry assistance programs 297
Brown, S., *see* Lugo, A.E. et al.
Buckley, G.P. (Ashford, Great Britain)
Soil factors influencing yield of *Eucalyptus camaldulensis* on former tin-mining land in the Jos Plateau Region, Nigeria 1
Burkhart, H.E., *see* Daniels, R.F. and Burkhart, H.E.
Chapman, J., *see* Lugo, A.E. et al.
Chijioke, E.O. (Owerri, Nigeria)
Soil factors and growth of *Gmelina arborea* in Omo Forest Reserve 245
Daniels, B.J., *see* Boyd, R.G. et al.
Daniels, R.F. (Summerville, SC, U.S.A.) and Burkhardt, H.E. (Blacksburg, VA, U.S.A.)
An integrated system of forest stand models 159
Drivas, E.P. and Everett, R.L. (Reno, NV, U.S.A.)
Water relations characteristics of competing singleleaf pinyon seedlings and sagebrush nurse plants 27
Everett, R.L., *see* Drivas, E.P. and Everett, R.L.
Fallon, R., *see* Boyd, R.G. et al.
Funk, D.T. (Durham, NH, U.S.A.)
Book review of *Atlantic White Cedar Wetlands*, by A.D. Laderman (Editor) 314
Gentry, A.H. (St. Louis, MO, U.S.A.) and Vasquez, R. (Iquitos, Peru)
Where have all the *Ceibas* gone? A case history of mismanagement of a tropical forest resource 73
Grosenbaugh, L.R., *see* Swindel, B.F. and Grosenbaugh, L.R.
Grove, T.S. (Wembley, W.A., Australia)
Growth reponses of trees and understorey to applied nitrogen and phosphorus in karri (*Eucalyptus diversicolor*) forest 87
Hall, J..B. (Gwynedd, Great Britain)
Book review of *Natural Management of Tropical Moist Forest: Silvicultural and Management Prospects of Sustained Utilization*, by F. Mergen and J.R. Vincent (Editors) 311

Havel, J.J. (Wanneroo, W.A., Australia)
Book review of *Soil Resources Surveys for Forestry: Soil, Terrain and Site Mapping in Boreal and Temperate Forests*, by K.W.G. Valentine 78
Helms, J.A. (Berkeley, CA, U.S.A.)
Book review of *Forest Vegetation Management for Conifer Production*, by J.D. Walstad and P.J. Kuch 312
Ho, R.H. (Maple, Ont. Canada)
Promotion of cone production on white spruce grafts by gibberellin $A_{4/7}$ application 39
Hobbs, E. (St. Paul, MN, U.S.A.)
Using ordination to analyze the composition and structure of urban forest islands 139
Hutchinson, M.F., *see* Booth, T.H. et al.
Hyde, W.F., *see* Boyd, R.G. et al.
Jovanovic, T., *see* Booth, T.H. et al.
Kellman, M., *see* Miyanishi, K. and Kellman, M.
Long, J.N., *see* Schacht, W.H. et al.
Lugo, A.E. (Rio Piedras, Puerto Rico), Brown, S. (Urbana, IL, U.S.A.) and Chapman, J. (San Juan, Puerto Rico)
An analytical review of production rates and stemwood biomass of tropical forest plantations 179
Maggs, J. (Atherton, Qld., Australia)
Organic matter and nutrients in the forest floor of a *Pinus elliottii* plantation and some effects of prescribed burning and superphosphate addition 105
Malechek, J.C., *see* Schacht, W.H. et al.
Mallik, A.U. and Newton, P.F. (St. John's, Nfld., Canada)
Inhibition of black spruce seedling growth by forest-floor substrates of central Newfoundland 273
Miyanishi, K. and Kellman, M. (Downsview, Ont. Canada)
Ecological and simulation studies of the responses of *Miconia albicans* and *Clidemia sericea* populations to prescribed burning 121
Myers, N. (Oxford, Great Britain)
Tropical deforestation and remote sensing 215
Newton, P.F., *see* Mallik, A.U. and Newton, P.F.
Nix, H.A., *see* Booth, T.H. et al.
Nokoe, S., *see* Abegbehin, J.O. et al.
Okojie, J.A. (Ibadan, Nigeria), Bailey, R.L. and Borders, B.E. (Athens, GA, U.S.A.)
Spacing effect in an unthinned 11-year-old *Terminalia superba* plantation in the dry lowland rainforest area of Nigeria 253
Okojie, J.O., *see* Adegbehin, J.O. et al.
Rideout, D. and Wagner, J.E. (Fort Collins, CO, U.S.A.)
Testing cost-sharing techniques on a multiple-use timber sale 285
Schacht, W.H., Long, J.N. and Malechek, J.C. (Logan, UT, U.S.A)
Above-ground production in cleared and thinned stands of semiarid tropical woodland, Brazil 201
Swindel, B.F. and Grosenbaugh, L.R. (Gainesville, FL, U.S.A.)
Species diversity in young Douglas-fir plantations compared to old growth 227
Vasquez, R., *see* Gentry, A.H. and Vasquez, R.
Vitousek, P.M., *see* Andariesse, S.W. and Vitousek, P.M.
Wagner, J.E., *see* Rideout, D. and Wagner, J.E.

Subject index

Acacia spp.
Nitrogen mineralization under *Eucalyptus plantation* and natural *Acacia* 233
Acidification
Acidification and its Policy Implications (Book review) 77
Agroforestry
Cleared and thinned semiarid tropical woodland, production in 201
Ecological and simulation stuidies of responses of *Miconia* and *Clidemia* to burning 121
Allelopathy
Inhibition of black spruce growth by forest-floor substrates 273
Artemisia spp.
Water relations of pinyon and sagebrush 27
Burning, *see* Management practices
Caatinga
Production in cleared and thinned semiarid tropical woodland 201
Ceiba spp.
Where have the *Ceibas* gone? Case history of mismanagement 73
Cedar, *see Chamaecyparis* spp.
Chamaecyparis spp.
Atlantic White Cedar Wetlands (Book review) 314
Clidemia
Ecological and simulation studies of responses of *Miconia* and *Clidemia* to burning 121
Deforestation
Tropical deforestation and remote sensing 215
Economic analysis
Cost-sharing techniques, testing on a multiple-use timber sale 285
Effectiveness of public forestry assistance programs 297
Eucalyptus
E. tereticornis and *Pinus caribaea*, growth at different sites 47
Growth responses of trees and understorey to nitrogen and phosphorus 87
Niche analysis and species introduction 47
Nitrogen mineralization under *Eucalyptus* plantation and natural *Acacia* 233
Soil factors influencing yields on former mining land 1
Gibberellin, *see* Growth substances
Gmelina spp.
Soil factors and growth of *G. arborea* 245
Growth substances
Cone production on white spruce by gibberellin application 39
Herbicides, *see* Management practices
Kalmia spp.
Inhibition of black spruce growth by forest-floor substrates 273
Karri, *see Eucalyptus* spp.
Land reclamation
Soil factors influencing yields of *Eucalyptus* on former mining land 1
Management practices
Acidification and its Policy Implications (Book review) 77
Cleared and thinned semiarid tropical woodland, production in 201
Cost-sharing techniques, testing on a multiple-use timber sale 285
Ecological and simulation studies of responses of *Miconia* and *Clidemia* to burning 121
Forest Vegetation Management for Conifer Production (Book review) 312

Gibberellin application, cone production on white spruce 39
Mismanagement case history: Where have the *Ceibas* gone? 73
Natural Management of Tropical Moist Forests: Silvicultural and Management Prospects of Sustained Utilization (Book review) 311
Niche analysis and species introduction 47
Organic matter and nutrients in the floor of *Pinus elliottii* plantation; effect of prescribed burning and superphosphate addition 105
Public forestry assistance programs, effectiveness of 297
Soil nitrogen turnover altered by herbicide treatment 19
Spacing effects in *Terminalia* in dry lowland rainforest 253
Miconia spp.
Ecological and simulation studies of responses of *Miconia* and *Clidemia* to burning 121
Modelling
Cost-sharing techniques, testing on a multiple-use timber sale 285
Integrated forest stand models 159
Ordination, use of to analyze composition and structure of urban forest islands 139
Site index equations for white spruce in Canada 61
Niche analysis
Niche analysis and species introduction 47
Nitrogen, *see* Nutrient regime
Nutrient regime
Growth responses of trees and understorey to nitrogen and phosphorus in *Eucalyptus* forest 87
Nitrogen mineralization under *Eucalyptus* plantation and natural *Acacia* 233
Organic matter and nutrients in the floor of a *Pinus* plantation; effects of burning and superphosphate addition 105
Soil nitrogen turnover altered by herbicide treatment 19
Phosphorus, *see* Nutrient regime
Picea spp.
Black spruce growth, inhibition by forest-floor substrates 273
White spruce cone production by gibberellin application 39
White spruce in Canada, site index equations 61
Pinus spp.
Ecological and simulation studies of responses of *Miconia* and *Clidemia* to burning 121
Eucalyptus and *P. caribaea* growth at different sites 261
Organic matter and nutrients in plantation and effects of burning and superphosphate ... 105
Water relations of pinyon and sagebrush 27
Pinyon, *see Pinus* spp.
Policy, public
Acidification and its Policy Implications (Book review) 77
Productivity and yield
Black spruce, inhiibition of growth by forest-floor substrates 273
Cleared and thinned semiarid tropical woodland, production in 201
Eucalyptus teriticornis and *Pinus caribaea*, growth at different sites 261
Gmelina arborea, soil factors and growth 245
Production rates and biomass of tropical plantations, analysis 179
Spacing effects in *Terminalia* in dry lowland rainforest 253
Pseudotsuga spp.
Species diversity in young Douglas-fir compared to old growth 227
Remote sensing
Tropical deforestation and remote sensing 215

Site factors
Black spruce, inhibition of growth by forest-floor substrates 273
Eucalyptus terticornis and *Pinus caribaea*, growth at different sites 261
Gmelina arborea, soil factors and growth 245
White spruce in Canada, site index equations 61
Soil factors
Eucalyptus on former mining land, soil factors influencing yields 1
Gmelina arborea, soil factors and growth 245
Organic matter and nutrients in *Pinusx* plantation and effects of burning and superphosphate 105
Soil factors
Soil Resources Surveys for Forestry: Soil, Terrain and Site Mapping in Boreal and Temperate Forests (Book review) 78
Spacing, *see* Management practices
Species composition
Species diversity in young Douglas-fir compared to old growth 227
Species, choice of, *see* Management practices
Spruce, *see Picea* spp.
Structural analysis
Species diversity in young Douglas-fir compared to old growth 227
Using ordination to analyze composition and structure of urban forest islands 139
Terminalia spp.
Spacing effects in dry lowland and rainforest 253
Tropical species, general
Case history of mismanagement: Where have the *Ceibas* gone? 73
Cleared and thinned semiarid tropical woodland, production in 201
Natural Management of Tropical Moist Forests: Silvicultural and Managment Prospects of Sustained Utilization (Book review) 311
Production rates and biomass of tropical plantations, analysis 179
Urban forests
Using ordination to analyze composition and structure of urban forest islands 139
Variety trials
Production rates and biomass of tropical plantations 179
Vegetation, non-tree (*see also* Agroforestry)
Ecological and simulations studies of responses of *Miconia* and *Clidemia* to burning 121
Forest Vegetation Management for Conifer Production (Book review) 312
Using ordination to analyze composition and structure of urban forest islands 139
Water regime
Water relations of pinyon and sagebrush 27
Weed control, *see* Management practices